

Claim 7 (Original): A computer program product for building a time-sliced architecture in a spread spectrum system, comprising:

- (a) logic code for analyzing a set of applications, said logic code for analyzing including:
- (i) logic code for extracting real time aspects from each application in said set of applications;
 - (ii) logic code for determining an optimal granularity based on said real time aspects; and
 - (iii) logic code for adjusting said optimal granularity based on a context switching overhead; and
- (b) logic code for building a specific time-sliced architecture to accommodate said range of applications based on said analyzing.

Claim 8 (Original): The computer program product of claim 7, wherein said logic code for extracting includes:

logic code for profiling fundamental processing elements in each application in said set of applications.

Claim 9 (Original): The computer program product of claim 7, wherein said logic code for determining includes:

logic code for determining a lowest level of granularity needed for each application in said set of applications.

Claim 10 (Original): The computer program product of claim 7, wherein said logic code for adjusting includes:

logic code for performing a sensitivity analysis.

Claim 11 (Original): The computer program product of claim 10, wherein said logic code for performing includes:

